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ERADI		IN THE UNITED STAT	TES PATENT	AND TRADEMARK OFFICE	
In re P	atent A	pplication of)		
Majum	ıdar et a	1.)	Group Art Unit: 1641	
Applic	ation No	o.: 10/076,838)	Examiner: Changhwa J. Cheu	
Filed:	Februa	ary 13, 2002)	Confirmation No.: 2839	
For:	VISUA FORC	RATUS AND METHOD ALLY IDENTIFYING M ES WITH A PALETTE TILEVER ARRAY BLOO	OF)		
			ON DISCLOS ANSMITTAL	URE STATEMENT LETTER	
P.O. B	ox 1450	for Patents) A 22313-1450			
Sir:					
above-		ed is an Information Disc ed patent application.	closure Stateme	nt and accompanying form PTO-	·1449 for the
	[]	No additional fee for su	ıbmission of an	IDS is required.	
	[X]	The fee of \$180.00 as s	set forth in 37 C	.F.R. § 1.17(p) is also enclosed.	,
	[]	A statement under 37 C	C.F.R. § 1.97(e)	is also enclosed.	
	[]	A statement under 37 C 37 C.F.R. § 1.17(p) are		, and the fee of \$ as s	set forth in
	[]	Charge \$	to Deposit Acc	ount No. 02-4800 for the fee due	e.
	[X]	A check in the amount	of \$ <u>180.00</u>	is enclosed for the fee due.	
1.17 ar Accour	nd 1.21		this paper, and	y appropriate fees under 37 C.F. to credit any overpayment, to De icate.	

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Respectfully submitted, BURNS, DOANE, SWECKER & MATHIS, LLP

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Date: May 12, 2004

By: Church Achodo

David R. Heckadon Registration No. 50,184

P.O. Box 1404 Alexandria, Virginia 22313-1404 (650) 622-2300



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Majumdar et al.) Group Art Unit: 1641
Application No.: 10/076,838) Examiner: Changhwa J. Cheu
Filed: February 13, 2002) Confirmation No.: 2839
For: APPARATUS AND METHOD FOR VISUALLY IDENTIFYING MICROFORCES WITH A PALETTE OF CANTILEVER ARRAY BLOCKS	- ,

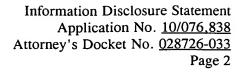
FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

U.S. Patent Document	<u>:S</u>	
4,236,893	Rice	12/1980
4,242,096	Oliveira et al.	12/1980
4,487,839	Kamentsky	12/1984
4,537,861	Elings et al.	08/1985
4,596,697	Ballato	06/1986
4,637,987	Minten et al.	01/1987
4,651,074	Wuse	03/1987
4,735,906	Bastiaans et al.	04/1988
4,847,193	Richards et al.	07/1989
4,867,946	Gross et al.	09/1989
4,906,840	Zdeblick et al.	03/1990
4,909,990	Block et al.	03/1990
4,931,384	Layton et al.	06/1990
4,999,284	Ward et al.	03/1991





U.S. Patent Documents (Cont.)			
5,001,053	Takahashi et al.	03/1991	
RE 33,581	Nicoli et al.	04/1991	
5,025,658	Elings et al.	06/1991	
5,055,265	Finlan	10/1991	
5,118,608	Layton et al.	06/1992	
5,130,257	Baer et al.	07/1992	
5,135,852	Ebersole et al.	08/1992	
5,144,833	Amer et al.	09/1992	
5,156,810	Ribi	10/1992	
5,156,972	Issachar	10/1992	
5,172,472	Lindner et al.	12/1992	
5,179,028	Vali et al.	01/1993	
5,283,037	Baer et al.	02/1994	
5,306,644	Myerholtz et al.	04/1994	
5,323,636	McGowan et al.	06/1994	
5,350,697	Swope et al.	09/1994	
5,352,582	Lichtenwalter et al.	10/1994	
5,372,930	Colton et al.	12/1994	
5,374,563	Maule	12/1994	
5,411,709	Furuki et al.	05/1995	
5,427,915	Ribi et al.	06/1995	
5,439,829	Anderson et al.	08/1995	
5,445,008	Wachter et al.	08/1995	
5,445,970	Rohr	08/1995	
5,445,971	Rohr	08/1995	
5,468,606	Bogart et al.	11/1995	
5,477,716	Snow	12/1995	
5,482,678	Sittler	01/1996	
5,494,639	Grzegorzewski	02/1996	
5,494,829	Sandstrom et al.	02/1996	



Information Disclosure Statement Application No. 10/076,838 Attorney's Docket No. 028726-033 Page 3

Cont.) Vard et al. ednarski et al.	03/1996 04/1996
ednarski et al.	
	04/1006
laviagely et al	04/1550
iovacek et al.	06/1996
enner et al.	10/1996
awcett et al.	01/1997
andstrom et al.	05/1997
ogart et al.	06/1997
now	07/1997
aini et al.	07/1997
bersole et al.	08/1997
arue	01/1998
hundat et al.	02/1998
ausa et al.	03/1998
ou et al.	05/1998
arlsson	05/1998
noll et al.	06/1998
enderson et al.	06/1998
hing et al.	06/1998
fassey et al.	06/1998
aif et al.	07/1998
ee et al.	09/1998
ee et al.	10/1998
olden	10/1998
aputo et al.	11/1998
ollis et al.	12/1998
obinson et al.	01/1999
aif et al.	01/1999
arr et al.	03/1999
talar et al.	06/1999
hundat	06/1999
	awcett et al. andstrom et al. ogart et al. ow aini et al. bersole et al. arue hundat et al. ausa et al. ou et al. arlsson noll et al. lassey et al. aif et al. ee et al. olden aputo et al. ollis et al. obinson et al. aif et al. aif et al. aputo et al. aif et al.



6,212,939

6,229,609

6,249,001

6,263,736

6,289,717

6,436,647

Information Disclosure Statement Application No. <u>10/076,838</u> Attorney's Docket No. <u>028726-033</u> Page 4

U.S. Patent Documents (Cont.)				
5,919,576	Hui et al.	07/1999		
5,923,421	Rajic et al.	07/1999		
5,923,637	Shimada et al.	07/1999		
5,955,377	Maul et al.	09/1999		
5,955,659	Gupta et al.	09/1999		
5,959,808	Fan et al.	09/1999		
5,989,923	Lowe et al.	11/1999		
5,995,334	Fan et al.	11/1999		
5,998,906	Jerman et al.	12/1999		
6,000,280	Miller et al.	12/1999		
6,005,400	Thundat et al.	12/1999		
6,008,057	Glass et al.	12/1999		
6,016,686	Thundat	01/2000		
6,022,748	Charych et al.	02/2000		
6,029,500	Tom	02/2000		
6,050,722	Thundat et al.	04/2000		
6,060,256	Everhart et al.	05/2000		
6,073,484	Miller et al.	06/2000		
6,086,821	Lee et al.	07/2000		
6,096,559	Thundat et al.	08/2000		
6,103,492	Yu	08/2000		
6,118,124	Thundat et al.	09/2000		
6,167,748	Britton et al.	01/2001		
6,203,983	Quate et al.	03/2001		

Thundat

Sauer et al.

Thundat et al.

Thundat et al.

Quate et al.

Muramatsu et al.

04/2001

05/2001

06/2001

07/2001

09/2001

08/2002



Information Disclosure Statement Application No. 10/076,838 Attorney's Docket No. 028726-033 Page 5

U.S. Patent Documents (Cont.)

2002/0092340

Prater et al.

07/2002

2003/0092016

Wiggins et al.

05/2003

Foreign Patent Documents

WO 95/02180

PCT

01/1995

Non Patent Literature Documents

Albrecht et al., "Microfabrication of Cantilever Styli for the Atomic Force Microscope," *J. Vac. Sci Technol* 8(4):3386-3396 (Jul/Aug 1990)

Barnes et al., "Photothermal Spectroscopy with Femtojoule Sensitivity Using a Micromechanical Device," *Nature*, 372:79-81 (1994)

Binh et al., "A Mechanical Nanosensor in the Gigahertz Range: Where Mechanics Meets Electronics," *Surface Science Letters*, 301:L224-L228 (1994)

Britton, Jr. et al., "MEMS Sensors and Wireless Telemetry for Distributed Systems," Presented at the SPIE 5th International Symposium on Smart Materials and Structures, San Diego, CA, March 2, 1998

Cleveland et al., "A Nondestructive Method for Determining the Spring Constant of Cantilevers for Scanning Force Microscopy," *Rev. Sci. Instrum.*, **64**(2):403-405 (1993)

Florin et al., "Adhesion Forces Between Individual Ligand-Receptor Pairs," *Science*, **264**:415-417 (1994)

Gimzewski et al., "Observation of a Chemical Reaction Using a Micromechanical Sensor," *Chemical Physical Letters*, **217**(5.6):589-594 (1994)

Hoh et al., "Measuring Intermolecular Binding Forces with the Atomic-force Microscope: The Magnetic Jump Method," Fifty-Second Annual Meeting Microscopy Society of America, New Orleans, LA, July 31-August 5, 1994

Hoh et al., "Quantized Adhesion Detected with the Atomic Force Microscope," J. Am. Chem. Soc., 114:4917-4918 (1992)

Lee et al., "Sensing Discrete Streptavidin-Biotin Interactions with Atomic Force Microscopy," *Langmuir*, **10**:354-357 (1994)

Norton, "Infrared Image Sensors," Optical Engineering, 30(11):1649-1663 (1991)



Information Disclosure Statement Application No. <u>10/076,838</u> Attorney's Docket No. <u>028726-033</u> Page 6

Non Patent Literature Documents (Cont.)

Perazzo et al., "Optimization and Performance of High-Resolution Micro-Optomechanical Thermal Sensors," submitted to Sensors & Actuators June 18, 1996

Serway, "Physics for Scientists and Engineers," 3rd Edition, Saunders, 1990, Figs. 34A and 38A

Thundat et al., "Detection of Mercury Vapor Using Resonating Microcantilevers," Appl. Phys. Let., 66(13):1695-1697 (1995)

Thundat et al., "Microcantilever Sensors," *Microscale Thermophysical Engineering*, 1:185-199 (1997)

Serway, Raymond A., "Physics for Scientists & Engineers" Third Edition, Sunders Golden Sunburst Series, pp. 988 & 1073, 1982

Thundatet al., "Chemical, Physical, and Biological Detection Using Mirocantilivers", Microstructure and Microfabricated Systems, pp. 179-187, 1997

Berger et al. "Surface Stress in the Self-Assembly of Alkanethiols on Gold", Submitted to Science February 27, 1997

Manalis, "Two Dimensional Micromechanical Bimorph Arrays for Detection of Thermal Radiation", *American Institute of Physics*, to appear in Applied Physics Letters, June 1997

Manalis et al., "Interdigital Cantilevers for Atomic Force Microscopy", *American Institute of Physics*, Applied Physics Letter 69 (25), December 16, 1996

Minne et al., "Automated Parallel High-Speed Atomic Force Microscopy", *American Institute of Physics*, Applied Physics Letter, Volume 72, No. 18, May 4, 1999, pp. 2340-2342

Lang et al., "Sequential Position Readout from Arrays of Micromechanical Cantilever Sensors", *A,merican Institue of Physics*, 1998

Wu et al., "Origin of Nanomechanical Cantilever Motion Generated from Biomolecular Interactions" *PNAS*, Volume 98, No. 4, February 13, 2001, pp 1560-1564

Hansen et al., "Cantilever-Based Optical Deflection Assay for Discrimination of DNA Single-Nucleotide Mismatches". *Analytical Chemistry*, Volume 73, No. 7, April 1, 2001, pp. 1567-1571

Shi et al., "Design and Batch Fabrication of Probes for Sub-100 nm Scanning Thermal Microscopy", *Journal of Microelectromechanical Systems*, Volume 11, No. 3, September 2001, pp. 370-378



Information Disclosure Statement Application No. 10/076,838 Attorney's Docket No. 028726-033 Page 7

Non Patent Literature Documents (Cont.)

Zhao, et al., "Optomechanical Uncooled Infrared Imaging System: Design, Microfabrication, and Performance", *Journal of Microelectromechanical Systems*, Volume 11, No. 2, April 2002

Wu et al., "Origin of Nanomechanical Cantilever Motion Generated from Biomolecular Interactions", *PNAS*, Volume 98, No. 4, February 13, 2001

Baselt, et al., "A High-Sensitivity Micromachined Biosensor", *Proceedings of the IEEE*, Volume 85, No. 4, April 1997

Lai et al., "Photothermal Measurements at Sub-10 picoWatt Resolution Using Uncooled Miro-optomecanical Sensors", submitted to Applied Physics Letters, June 19, 1996

Wu et al., "Bioassay of prostate-specific antigen (PSA) using microcantilevers," Research Article, Volume 19, September 2001, pages 856-860

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications.

The documents are being submitted after a first Office Action on the merits but prior to the closing of prosecution, therefore under 37 C.F.R. § 1.97(c) the fee set forth in 37 C.F.R. § 1.17(p) is enclosed.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Bv:

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, LLP

Date: May 12, 2004

David R. Heckadon

Registration No. 50,184

P.O. Box 1404 Alexandria, Virginia 22313-1404 (650) 622-2300 Substitute for forms 1449A/PTO & 1449B/PTO

FIRST INFORMATION DISC STATEMENT BY APPLIC

ATTORNEY'S DKT NO. APPLICATION No. 10/076,838 028726-033 APPLICANT Majumdar et al. GROUP FILING DATE February 13, 2002 1641

U.S. PATENT DOCUMENTS			
Examiner Initials	Document Number	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	4,236,893	Rice	12/1980
	4,242,096	Oliveira et al.	12/1980
	4,487,839	Kamentsky	12/1984
	4,537,861	Elings et al.	08/1985
	4,596,697	Ballato	06/1986
	4,637,987	Minten et al.	01/1987
	4,651,074	Wuse	03/1987
	4,735,906	Bastiaans et al.	04/1988
	4,847,193	Richards et al.	07/1989
	4,867,946	Gross et al.	09/1989
	4,906,840	Zdeblick et al.	03/1990
	4,909,990	Block et al.	03/1990
	4,931,384	Layton et al.	06/1990
	4,999,284	Ward et al.	03/1991
	5,001,053	Takahashi et al.	03/1991
	RE 33,581	Nicoli et al.	04/1991
	5,025,658	Elings et al.	06/1991
	5,055,265	Finlan	10/1991
	5,118,608	Layton et al.	06/1992
	5,130,257	Baer et al.	07/1992
	5,135,852	Ebersole et al.	08/1992
	5,144,833	Amer et al.	09/1992
	5,156,810	Ribi	10/1992
	5,156,972	Issachar	10/1992
	5,172,472	Lindner et al.	12/1992
	5,179,028	Vali et al.	01/1993
	5,283,037	Baer et al.	02/1994
	5,306,644	Myerholtz et al.	04/1994
	5,323,636	McGowan et al.	06/1994
	5,350,697	Swope et al.	09/1994
	5,352,582	Lichtenwalter et al.	10/1994
	5,372,930	Colton et al.	12/1994
	5,374,563	Maule	12/1994
	5,411,709	Furuki et al.	05/1995
	5,427,915	Ribi et al.	06/1995
	5,439,829	Anderson et al.	08/1995
	5,445,008	Wachter et al.	08/1995
	5,445,970	Rohr	08/1995
	5,445,971	Rohr	08/1995
	5,468,606	Bogart et al.	11/1995
	5,477,716	Snow	12/1995
	5,482,678	Sittler	01/1996
	5,494,639	Grzegorzewski	02/1996

Substitute for forms 1449A/PTO & 1449B/PTO

ATTORNEY'S DKT NO. APPLICATION No. 10/076,838 028726-033 APPLICANT Majumdar et al. GROUP FILING DATE February 13, 2002 1641

FIRST INFORMATION DESCLOSURI STATEMENT BY APPLICANT

		U.S. PATENT DOCUMENTS	
	5,494,829	Sandstrom et al.	02/1996
	5,501,986	Ward et al.	03/1996
	5,510,481	Bednarski et al.	04/1996
	5,525,466	Slovacek et al.	06/1996
	5,563,341	Fenner et al.	10/1996
	5,595,908	Fawcett et al.	01/1997
	5,631,171	Sandstrom et al.	05/1997
	5,639,671	Bogart et al.	06/1997
	Re 35,544	Snow	07/1997
	5,650,123	Saini et al.	07/1997
	5,658,732	Ebersole et al.	08/1997
	5,705,399	Larue	01/1998
	5,719,324	Thundat et al.	02/1998
	5,728,584	Sausa et al.	03/1998
	5,750,410	Dou et al.	05/1998
	5,753,518	Karlsson	05/1998
	5,763,191	Knoll et al.	06/1998
	5,763,768	Henderson et al.	06/1998
	5,770,389	Ching et al.	06/1998
	5,770,459	Massey et al.	06/1998
	5,786,621	Saif et al.	07/1998
	5,807,758	Lee et al.	09/1998
	5,819,749	Lee et al.	10/1998
	5,827,748	Golden	10/1998
	5,830,134	Caputo et al.	11/1998
	5,846,708	Hollis et al.	12/1998
	5,856,203	Robinson et al.	01/1999
	5,862,003	Saif et al.	01/1999
	5,888,825	Carr et al.	03/1999
	5,908,981	Atalar et al.	06/1999
	5,918,263	Thundat	06/1999
	5,919,576	Hui et al.	07/1999
	5,923,421	Rajic et al.	07/1999
	5,923,637	Shimada et al.	07/1999
	5,955,377	Maul et al.	09/1999
	5,955,659	Gupta et al.	09/1999
	5,959,808	Fan et al.	09/1999
	5,989,923	Lowe et al.	11/1999
	5,995,334	Fan et al.	11/1999
	5,998,906	Jerman et al.	12/1999
	6,000,280	Miller et al.	12/1999
	6,005,400	Thundat et al.	12/1999
<u> </u>	6,008,057	Glass et al.	12/1999
	6,016,686	Thundat	01/2000
	6,022,748	Charych et al.	02/2000
	6,029,500	Tom	02/2000

Substitute for forms 1449A/PTO & 1449B/PTO

FIRST INFORMATION DISCLOSU STATEMENT BY APPLICANTS

	SHEET <u>3</u> OF <u>4</u>
ATTORNEY'S DKT NO.	APPLICATION NO.
028726-033	10/076,838
APPLICANT	
Majumdar et al.	
FILING DATE	GROUP
February 13, 2002	1641

	U.S. PATENT DOCUMENTS	
6,050,722	Thundat et al.	04/2000
6,060,256	Everhart et al.	05/2000
6,073,484	Miller et al.	06/2000
6,086,821	Lee et al.	07/2000
6,096,559	Thundat et al.	08/2000
6,103,492	Yu	08/2000
6,118,124	Thundat et al.	09/2000
6,167,748	Britton et al.	01/2001
6,203,983	Quate et al.	03/2001
6,212,939	Thundat	04/2001
6,229,609	Muramatsu et al.	05/2001
6,249,001	Sauer et al.	06/2001
6,263,736	Thundat et al.	07/2001
6,289,717	Thundat et al.	09/2001
6,436,647	Quate et al.	08/2002
2002/0092340	Prater et al.	07/2002
2003/0092016	Wiggins et al.	05/2003

		1	FOREIGN PATENT DOCUMENTS			
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Trans Yes	lation No
	WO 95/02180		PCT	01/1995		
	1					-

	<u> </u>		
	NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	Albrecht et al., "Microfabrication of Cantilever Styli for the Atomic Force Microscope," J. Vac. Sci Technol 8(4):3386-3396 (Jul/Aug 1990)		
	Barnes et al., "Photothermal Spectroscopy with Femtojoule Sensitivity Using a Micromechanical Device," <i>Nature</i> , 372 :79-81 (1994)		
	Binh et al., "A Mechanical Nanosensor in the Gigahertz Range:Where Mechanics Meets Electronics," Surface Science Letters 301:L224-L228 (1994)		
Britton, Jr. et al., "MEMS Sensors and Wireless Telemetry for Distributed Systems," Presented at the Si Symposium on Smart Materials and Structures, San Diego, CA, March 2, 1998			
	Cleveland et al., "A Nondestructive Method for Determining the Spring Constant of Cantilevers for Scanning Force Microscopy," Rev. Sci. Instrum., 64(2):403-405 (1993)		
	Florin et al., "Adhesion Forces Between Individual Ligand-Receptor Pairs," Science, 264:415-417 (1994)		
	Gimzewski et al., "Observation of a Chemical Reaction Using a Micromechanical Sensor," Chemical Physical Letters, 217(5.6):589-594 (1994)		
	Hoh et al., "Measuring Intermolecular Binding Forces with the Atomic-force Microscope: The Magnetic Jump Method," Fifty-Second Annual Meeting Microscopy Society of America, New Orleans, LA, July 31-August 5, 1994		
	Hoh et al., "Quantized Adhesion Detected with the Atomic Force Microscope," J. Am. Chem. Soc., 114:4917-4918 (1992)		
	Lee et al., "Sensing Discrete Streptavidin-Biotin Interactions with Atomic Force Microscopy," Langmuir, 10:354-357 (1994)		
	Norton, "Infrared Image Sensors," Optical Engineering, 30(11):1649-1663 (1991)		
	Perazzo et al., "Optimization and Performance of High-Resolution Micro-Optomechanical Thermal Sensors," submitted to Sensors & Actuators June 18, 1996		
	Serway, "Physics for Scientists and Engineers," 3rd Edition, Saunders, 1990, Figs. 34A and 38A		
	Thundat et al., "Detection of Mercury Vapor Using Resonating Microcantilevers," Appl. Phys. Let., 66(13):1695-1697 (1995)		
	Thundat et al., "Microcantilever Sensors," Microscale Thermophysical Engineering, 1:185-199 (1997)		

SHEET 4 OF 4

Substitute for forms 1449A/PTO & 1449B/PTO

FIRST INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

ATTORNEY'S DKT NO. 028726-033	APPLICATION NO. 10/076,838	
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Majumdar et al.		
FILING DATE	GROUP	
February 13, 2002	1641	

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	Serway, Raymond A., "Physics for Scientists & Engineers" Third Edition, Sunders Golden Sunburst Series, pp. 988 & 1073, 1982				
	Thundatet al., "Chemical, Physical, and Biological Detection Using Mirocantilivers", Microstructure and Microfabricated Systems, pp. 179-187, 1997				
	Berger et al. "Surface Stress in the Self-Assembly of Alkanethiols on Gold", Submitted to Science February 27, 1997				
	Manalis, "Two Dimensional Micromechanical Bimorph Arrays for Detection of Thermal Radiation", American Institute of Physics, to appear in Applied Physics Letters, June 1997				
	Manalis et al., "Interdigital Cantilevers for Atomic Force Microscopy", American Institute of Physics, Applied Physics Letter 69 (25), December 16, 1996				
	Minne et al., "Automated Parallel High-Speed Atomic Force Microscopy", <i>American Institute of Physics</i> , Applied Physics Letter, Volume 72, No. 18, May 4, 1999, pp. 2340-2342				
	Lang et al., "Sequential Position Readout from Arrays of Micromechanical Cantilever Sensors", A,merican Institue of Physic. 1998				
	Wu et al., "Origin of Nanomechanical Cantilever Motion Generated from Biomolecular Interactions" PNAS, Volume 98, No. 4 February 13, 2001, pp 1560-1564				
	Hansen et al., "Cantilever-Based Optical Deflection Assay for Discrimination of DNA Single-Nucleotide Mismatches". <i>Analytic Chemistry</i> , Volume 73, No. 7, April 1, 2001, pp. 1567-1571				
	Shi et al., "Design and Batch Fabrication of Probes for Sub-100 nm Scanning Thermal Microscopy", <i>Journal of Microelectromechanical Systems</i> , Volume 11, No. 3, September 2001, pp. 370-378				
	Zhao, et al., "Optomechanical Uncooled Infrared Imaging System: Design, Microfabrication, and Performance", Journal of Microelectromechanical Systems, Volume 11, No. 2, April 2002				
	Wu et al., "Origin of Nanomechanical Cantilever Motion Generated from Biomolecular Interactions", PNAS, Volume 98, No. 4 February 13, 2001				
	Baselt, et al.,"A High-Sensitivity Micromachined Biosensor", Proceedings of the IEEE, Volume 85, No. 4, April 1997				
	Lai et al., "Photothermal Measurements at Sub-10 picoWatt Resolution Using Uncooled Miro-optomecanical Sensors", submitted to Applied Physics Letters, June 19, 1996				
	Wu et al., "Bioassay of prostate-specific antigen (PSA) using microcantilevers," Research Article, Volume 19, September 2001, pages 856-860				

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